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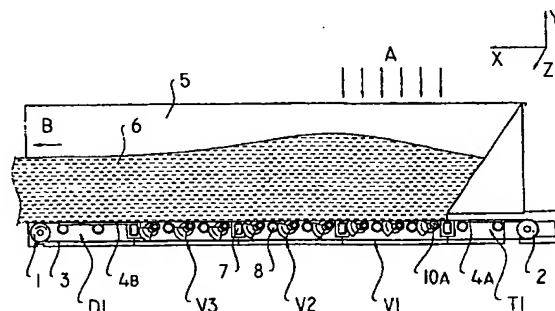
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(54) Title: **BELT CONVEYOR FOR TRANSPORTING TOBACCO MATERIALS**



(57) Abstract: A belt conveyor transporting loose tobacco material, comprising a transporting belt (3), equipped with an vibratory sub-assembly with independent driving means, a feeding channel being placed over the transporting belt (3), is characterized in that according to the invention the vibratory sub-assembly of the transporting belt (3) has a form of at least two separate vibratory portions (V1, V2, V3), each comprising at least one roller (10a) having eccentric elements (10b) and symmetrically arranged counterweights (10c), and in case of using eccentric elements (10b) of the same active radii on the rollers (10a) of all the vibratory portions (V1, V2, V3), the distance between the transporting belt (3) and the axes of the rollers (10a) of the starting vibratory portion in which feeding of the loose tobacco material takes place is minimal, and the distance from the transporting belt (3) to the axes of the rollers (10a) of successive vibratory portions (V2, V3) is an increasing function, and when the axes of the rollers (10a) of all the vibratory portions (V1, V2, V3) are at the same distance from the transporting belt (3) then the active radius of the eccentric elements (10b) of the starting vibratory portion (V1) is the biggest one, and the radius decreases for the eccentric elements (10b) of the starting vibratory portion (V1) is the biggest one, and the radius decreases for the eccentric elements (10b) of the rollers (10a) of successive vibratory portions (V2, V3), and each of the vibratory portions (V1, V2, V3) has separate adjusting elements providing independent adjustment of magnitude and direction of vibration amplitude vector, and has also separate adjusting elements providing independent adjustment of frequency of the transporting belt vibrations, irrespective of speed of the transporting belt (3).

WO 03/086114 A1